

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kulp

Serial No.: 10/772,054

Filed: 2/3/2004

Title: POLYURETHANE POLISHING
PAD

Group Art Unit:

Examiner:

Attorney Docket No.: 03040US

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted:

☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

☒ Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation listing , of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. In addition, Applicant includes a copy of Applicant's copending application:

US Ser. No. 10/682,158 filed October 9, 2003.

The relevance of the cited references is that this is the closest art of which Applicant is aware. Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

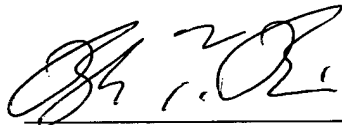
Respectfully submitted,

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or the correspondence is being facsimile transmitted to the USPTO, on the date indicated below.

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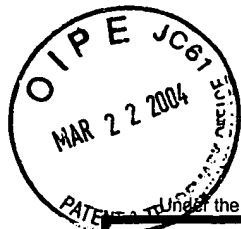
Signature: Barbara A. Wiley



Blake T. Biederman
Attorney for Applicant(s)
Reg. No. 34,124

Date: March 18, 2004

Telephone No.: 302-366-0500



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/772,054
Filing Date	February 3, 2004
First Named Inventor	Kulp
Art Unit	
Examiner Name	
Attorney Docket Number	03040US

Sheet	1	of	2
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		4,511,605 A	04-16-1985	McCartney	
		5,114,982 A	05-19-1992	Mendelsohn et al.	
		5,260,343 A	11-09-1993	Harrison et al.	
		5,462,797 A	10-31-1995	Williams et al.	
		5,578,362 A	11-26-1996	Reinhardt et al.	
		5,688,860 A	11-18-1997	Croft	
		5,821,316 A	10-13-1998	Quay et al.	
		6,020,387 A	02-01-2000	Downey et al.	
		6,095,902 A	08-01-2000	Reinhardt	
		6,239,188 B1	05-29-2001	Kihara et al.	
		6,362,107 B1	03-26-2002	Shiro et al.	
		6,454,634 B1	09-24-2002	James et al.	
		6,477,926 B1	11-12-2002	Swisher et al.	
		6,627,671 B1	09-30-2003	Kihara et al.	
		2002/0049297 A1	04-25-2002	Suzuki et al.	
		2003/0069321 A1	04-10-2003	Lin et al.	
		2003/0109209 A1	06-12-2003	Hishiki	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP 0 476 822 B1	03-05-1997	Minnesota Mining and Manufacturing Co.		
		EP 0 639 614 A1	02-22-1995	Miles Inc.		
		EP 0 648 237 B1	11-05-1997	Minnesota Mining and Manufacturing Co.		
✓		JP 2002-194047	07-10-2002	Toyco Tire & Rubber Co. Ltd.; Toyobo Co. Ltd.	Abstract	✓
✓		JP 2002-371121	12-26-2002	Toyobo Co. Ltd. Toyco Tire & Rubber Co. Ltd.	Abstract	✓
		WO 96/00754 A1	01-11-1996	Minnesota Mining and Manufacturing Co.		
		WO 99/15578 A1	04-01-1999	Caschem, Inc.		
		WO 01/91971 A1	12-06-2001	Rodel Holdings, Inc.		

Examiner
Signature

Date
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/682 158
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<i>Filing Date</i>	10/9/2003
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First Named Inventor	James et al.
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Art Unit	3723
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Examiner Name

Sheet 2

2

of

2

Attorney Docket Number | 03022US

NON PATENT LITERATURE DOCUMENTS

Examiner
Initials*Cite
No.

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

 T^2

KULP et al.; "High-Performance CMP Pads for Cu/Low K/Ultra-Low K Wafer Processing"; CMP-MIC Catalog No. 03 IMIC-800P, pp. 410-413, CMP-MIC Conference 2003, February 19-21 2003, Marina Del Ray, CA.

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Signature

Date _____

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